Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/27/2022 08:59 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123670	-2	1.88	123549	1.87
Blue	F	SSC	125000	121955	-3	3.32	122417	3.25
Blue	E	FITC	13602	13070	-4	2.61	366	13.90
Blue	D	PE	24891	24361	-3	2.05	579	10.62
Blue	B	PerCP-Cy5-5	33972	33299	-2	3.26	950	15.18
Blue	A	PE-Cy7	22865	22601	-2	5.08	467	31.28
Red	C	APC	47198	46546	-2	2.73	1603	11.55
Red	A	APC-Cy7	26454	25427	-4	3.01	718	12.40
Violet	B	V450	6737	6427	-5	4.06	447	12.05
Violet	A	V500	29317	28210	-4	3.72	964	8.80

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23752	3.19	563	28	N/A	N/A	Pass
Blue	F	SSC	54806	2.55	521	0	N/A	N/A	Pass
Blue	E	FITC	54	54.62	488	4	0.0392	55	Pass
Blue	D	PE	111	39.92	491	5	0.4069	328	Pass
Blue	B	PerCP-Cy5-5	148	41.34	585	6	0.0190	44	Pass
Blue	A	PE-Cy7	78	80.87	628	7	0.0213	1	Pass
Red	C	APC	337	25.85	575	3	0.0278	174	Pass
Red	A	APC-Cy7	135	35.42	552	1	0.0064	1553	Pass
Violet	B	V450	75	47.27	446	-4	0.0455	1721	Pass
Violet	A	V500	113	33.11	466	-3	0.0239	1056	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-32.08	-31.84	1.10
Blue	20.35	16.28 - 24.42	1.30	1.03 - 1.55	0.00	0.00	1.43
Red	15.52	13.90 - 20.86	N/A	N/A	30.29	30.48	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 9794

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments